

WHAT IS CLAIMED IS:

1. An optical pickup apparatus comprising:

an optical pickup adapted to irradiate a light on an information recording face of a recording medium and to read out information recorded on the information recording face;

a feed screw adapted to move the optical pickup in a radial direction of the recording medium;

a guide shaft arranged to be in parallel with the feed screw and adapted to support and guide a movement of the optical pickup;

a drive motor adapted to drive the feed screw so as to move the optical pickup along the guide shaft;

a skew adjusting mechanism adapted to move each of the feed screw and the guide shaft so as to adjust a skew of the optical pickup with respect to the information recording face of the recording medium.

2. The optical pickup apparatus as claimed in claim 1, including one of each of the guide shaft and the feed screw.

3. The optical pickup apparatus as claimed in claim 1, wherein the feed screw and the guide shaft are respectively arranged on a lower side of the optical pickup.

4. The optical pickup apparatus as claimed in claim 1, wherein the skew adjusting mechanism comprises:

a first support member adapted to support a first end portion of the feed screw located on an inner circumferential side of the information recording face of the recording medium;

a second support member adapted to support a second end

portion of the feed screw located on an outer circumferential side of the information recording face;

a first elastic support member adapted to support a first end portion of the guide shaft located on the inner circumferential side of the information recording face;

a second elastic support member adapted to support a second end portion of the guide shaft located on a outer circumferential side of the information recording face; and

a third elastic support member adapted to support the second support member and the drive motor.

5. The optical pickup apparatus as claimed in claim 4, wherein the skew adjusting mechanism further comprises:

a first adjusting screw adapted to move the third elastic support member in direction perpendicular to the information recording face;

a second adjusting screw adapted to move the first end portion of the guide shaft in direction perpendicular to the information recording face; and

a third adjusting screw adapted to move the second end portion of the guide shaft in direction perpendicular to the information recording face.